Service
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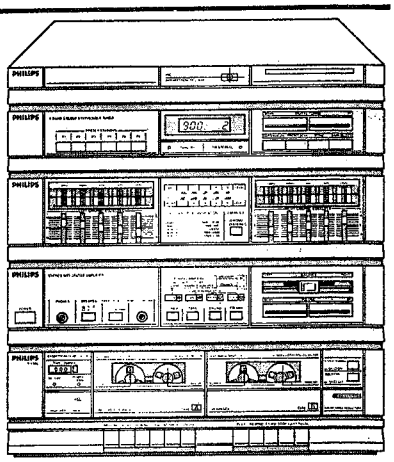

For servicing information regarding the cassette mechanism, refer to Service Manual: Recorder Tape Deck TN-21SW-1482

Service Manual

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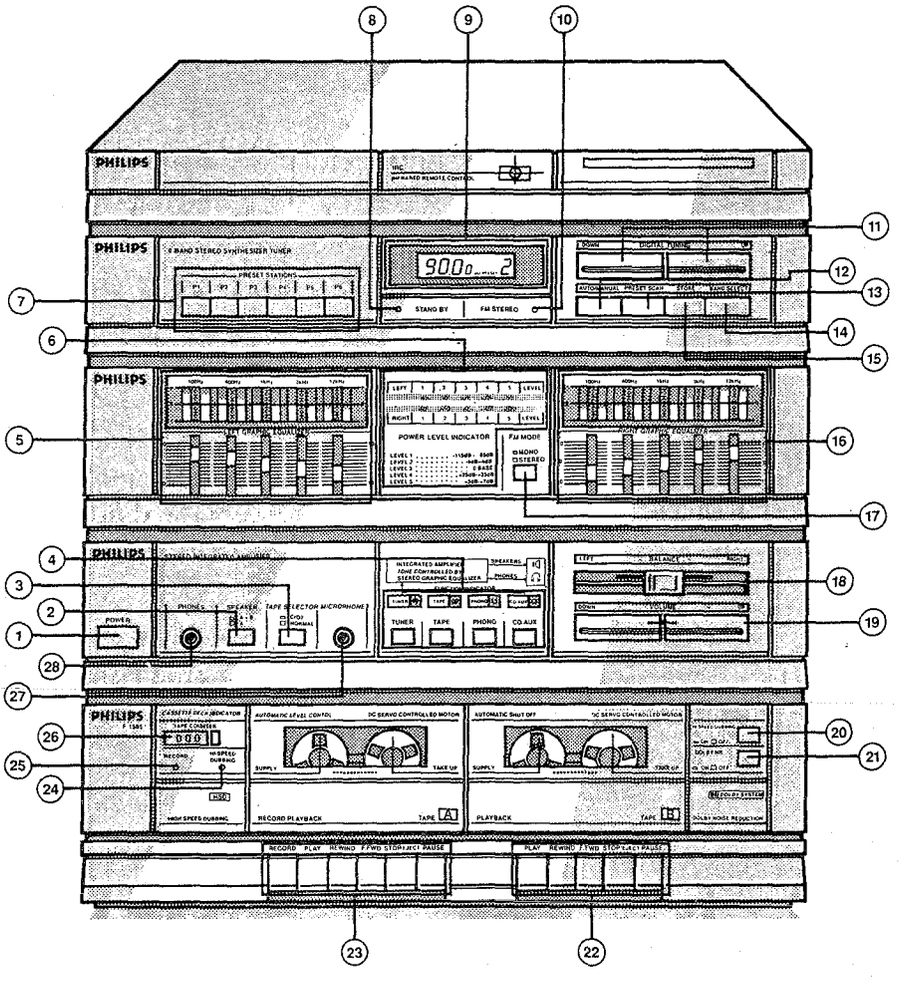
Location of Controls



① ON/OFF - press in to switch the unit on; press again to go to stand by
② SPEAKER selector - ▬ for two pairs of speakers A+B; ▪ for one pair of speakers A only
③ TAPE selector - ▪ for normal tapes; ▬ for CrO2 tapes
④ FUNCTION selectors
TUNER - for the radio
TAPE - for the cassette player
PHONO - for the record player
CD/AUX - for a CD player or other external sources
⑤ LEFT GRAPHIC EQUALIZER - adjust the slide controls to suit your listening preference of the left speaker
⑥ POWER LEVEL indicator
⑦ PRESET STATIONS - for storing and recalling up to 6 AM and 6 FM stations in the memory
⑧ STAND BY indicator - lights up when the unit is in stand by
⑨ radio display
⑩ FM STEREO indicator - lights up on reception of an FM stereo broadcast
⑪ TUNING - press UP to tune towards the higher end of the selected band and press DOWN to tune towards the lower end of the selected band
⑫ AUTO/MANUAL - choose between automatic or manual tuning
⑬ PRESET SCAN - to tune to an other preset station
⑭ BAND SELECT - to select AM or FM band
⑮ STORE - to store your selected stations (6 on AM and 6 on FM)
⑯ RIGHT GRAPHIC EQUALIZERS - adjust the slide controls to suit your listening preference of the right speaker
⑰ FM MODE - ▪ for stereo reception; ▬ for mono reception
⑱ BALANCE - to adjust the balance of the volume between left and right speaker
⑲ VOLUME - to adjust the volume
⑳ HI-SPEED DUBBING - press to make a high speed copy from deck B to deck A
㉑ DOLBY NOISE REDUCTION - to cut out high frequency noise
㉒ deck B keyboard, for playback only,
PLAY - to start playback
REWIND - to fast rewind the tape
F.FWD - to fast forward the tape
STOP/EJECT - to stop playback and to open the cassette door
PAUSE - for brief interruptions
㉓ deck A keyboard, recording and playback
RECORD - for recording
PLAY - to start playback
REWIND - to fast rewind the tape
F.FWD - to fast forward the tape
STOP/EJECT - to stop playback and to open the cassette door
PAUSE - for brief interruptions
㉔ HI-SPEED DUBBING indicator - lights up when making a tape copy at high speed
㉕ RECORD indicator - lights up when recording
㉖ TAPE COUNTER with zero reset button, deck A
㉗ input socket for MICROPHONE
㉘ PHONES socket for stereo headphones

SPECIFICATION GENERAL		NOMINAL VALUE	TYPICAL VALUE
Mains voltage		: 120/220/240V	: 120/220/240V
Mains frequency		: 50 Hz	: 50 Hz
Power consumption		: 20W max	: 20W max
Dimensions (WxHxD)		: 16"1/2 x 17"1/8 x 13"1/2	
Weight		: 10 kg	
TUNER. FM SECTION			
Tuning range		: 87.5 MHz to 108.5 MHz	: 87.5 MHz to 108.5 MHz
Aerial inputs		: 75 ohm BALANCED	: 75 ohm BALANCED
Sensitivity		: 2uV 26dB quieting	: 4uV 26dB quieting
Suppression IF-AM		: 33dB	: 30dB
DISTORTION T.H.D.			
Signal/noise ratio	Stereo	: 0.35%	: 0.7%
	Mono	: 50dB	: 45dB
TUNER. AM SECTION			
Wave ranges	MW	: 531 KHz to 1602 KHz	: 536 KHz to 1607 KHz
IF rejection	MW	: 28dB at 600 KHz	: 25dB at 600 KHz
20dB Quieting Sensitivity	MW	: 400uV/m	: 800uV/m
AMPLIFIER			
10% T.H.D. Output Power		: 33W	: 30W
Distortion T.H.D.		: 0.3%	: 0.5%
Frequency characteristic Bass control		: +6 ~ -10dB +9 ~ -9dB	: ±3dB
Terble control		: +6 ~ -10dB +9 ~ -9dB	: ±3dB
CASSETTE SECTION			
Tape speed		: 1 7/8 IPS (4.75cm P.S)	: ±2%
Wow & Flotter S/N ratio		: 0.15%	: 0.35%
Separation		: 50dB	: 45dB
Dolby NR section		: 35dB	: 30dB
Noise reduction (Phono)		: -	: 8.5dB
Bias leakage		: -	: 0.5dB
PHONO SECTION			
Input impedamce		: 470K ohm	: 470K ohm
Speed		: 33 1/3 - 45 t/min	: 33 1/3 - 45 t/min
Wow & Flutter		: 0.3%	: 0.3%

ALIGNMENT

General:

1. Signal input must be as low as possible to avoid overload and clipping. (Use highest sensitivity of output indicator.)
2. Volume control at maximum, balance and tone controls at mechanical center.
3. Standard modulation is 400 Hz at 30% amplitude for AM. 1000 Hz at 22.5 kHz deviation for FM.
4. Connect 8 ohm load across speaker jack.

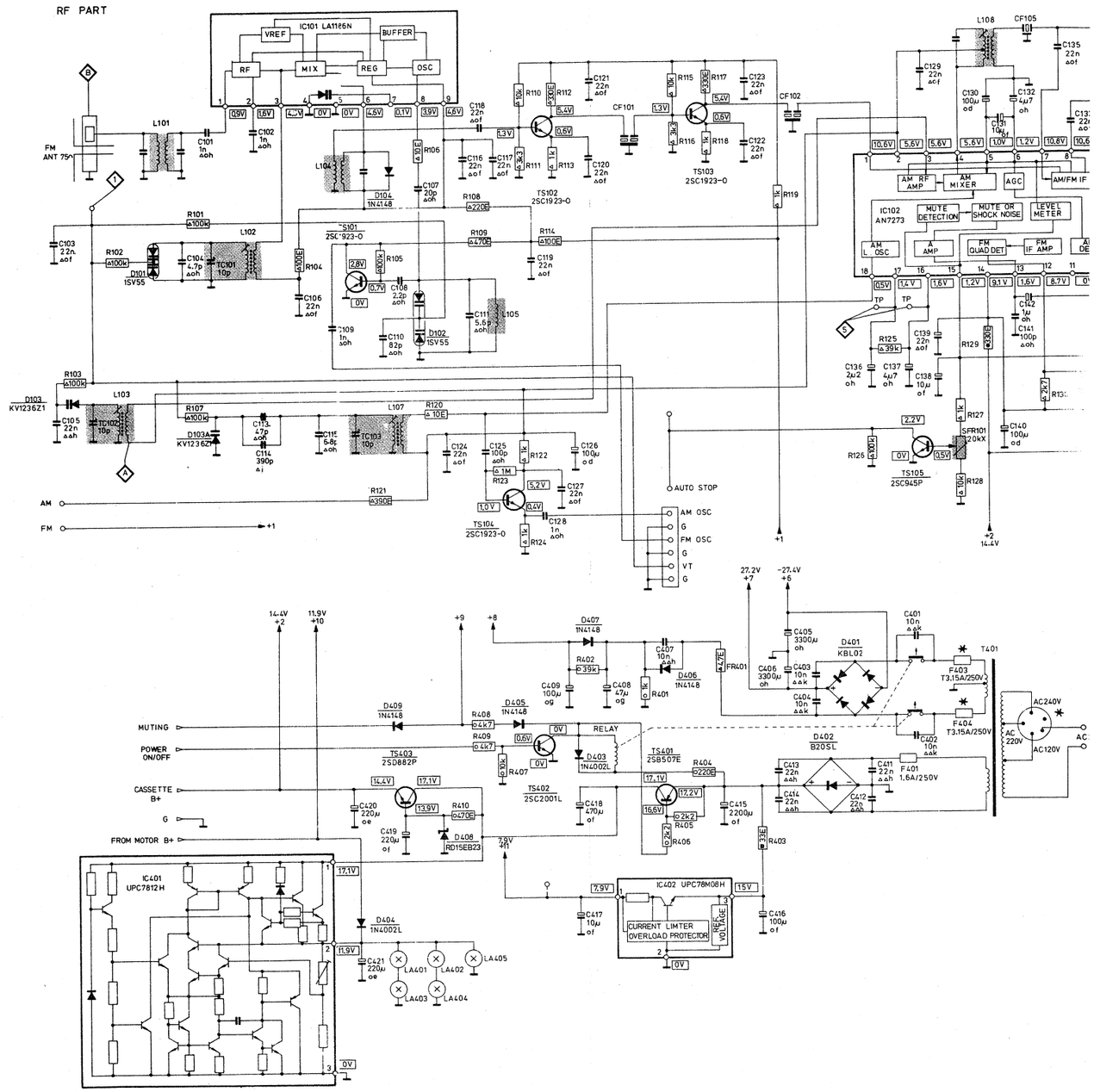
Equipment required:

1. AM signal generator
2. FM signal generator
3. V.M.
4. Frequency counter

Radio Alignment

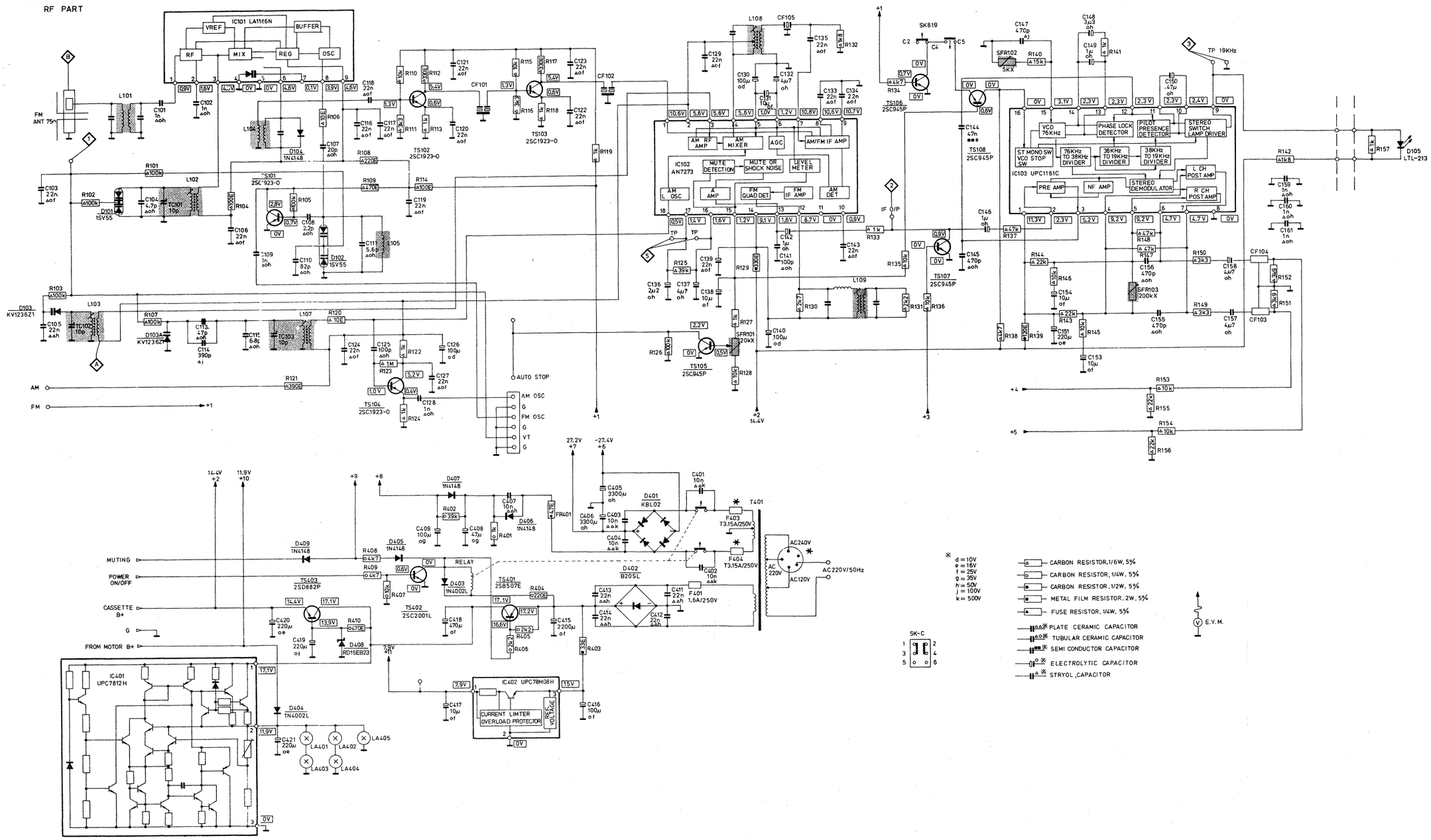
SK.....A Position	Signal	to	Tune in	adjust	
AM	450 kHz	A		L108	MAX. ◇2
AM	531 kHz 1602 kHz 603 kHz 1404 kHz	A	MAX CAP MIN CAP 603 kHz 1404 kHz	L107 TC103 L103 TC102	VT=1.0V±0.1V VT=7.0V±0.1V MAX. ◇4 MAX. ◇1
FM	10.7 MHz	B		L104	MAX. ◇2
FM	87.5 MHz 108 MHz 90 MHz 106 MHz	B	MAX CAP MIN CAP 90 MHz 106 MHz	L105 L102 TC101	VT=1.1V±0.1V 7.5V ◇1 MAX. MAX. ◇4
FM	98 MHz	B		SFR102	COUNTER 19 kHz MAX.
FM T.H.D	NO SIGNAL	B		L109 R L	VT=0V±.05V DISTORTION TO MIN. ◇5
FM AUTO TUNING	26 db SIGNAL	B		SFR101	LOCK SENS. =28db±4db ◇1
FM SEPAR-ATION		B		SFR103	MAX. ◇1

Schematic Diagram



* only for -/01/25

Schematic Diagram



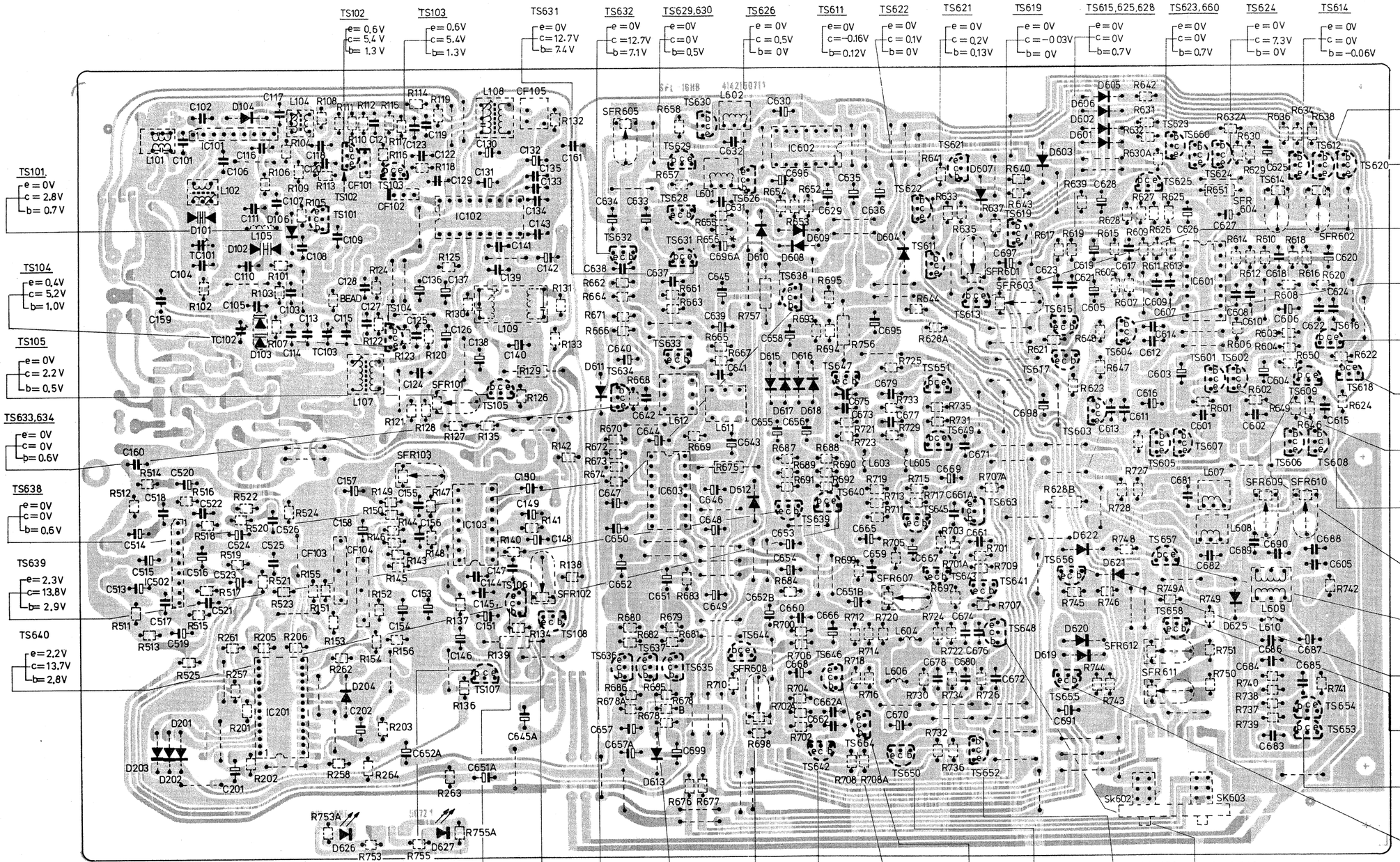
* only for -/01/25

※
d = 10V
e = 16V
f = 25V
g = 35V
h = 50V
j = 100V
k = 500V

- CARBON RESISTOR, 1/6W, 5%
- CARBON RESISTOR, 1/4W, 5%
- CARBON RESISTOR, 1/2W, 5%
- METAL FILM RESISTOR, 2W, 5%
- FUSE RESISTOR, 1/4W, 5%
- PLATE CERAMIC CAPACITOR
- TUBULAR CERAMIC CAPACITOR
- SEMI CONDUCTOR CAPACITOR
- ELECTROLYTIC CAPACITOR
- STRYOL CAPACITOR

E.V.M.

P C Board-Solder Side

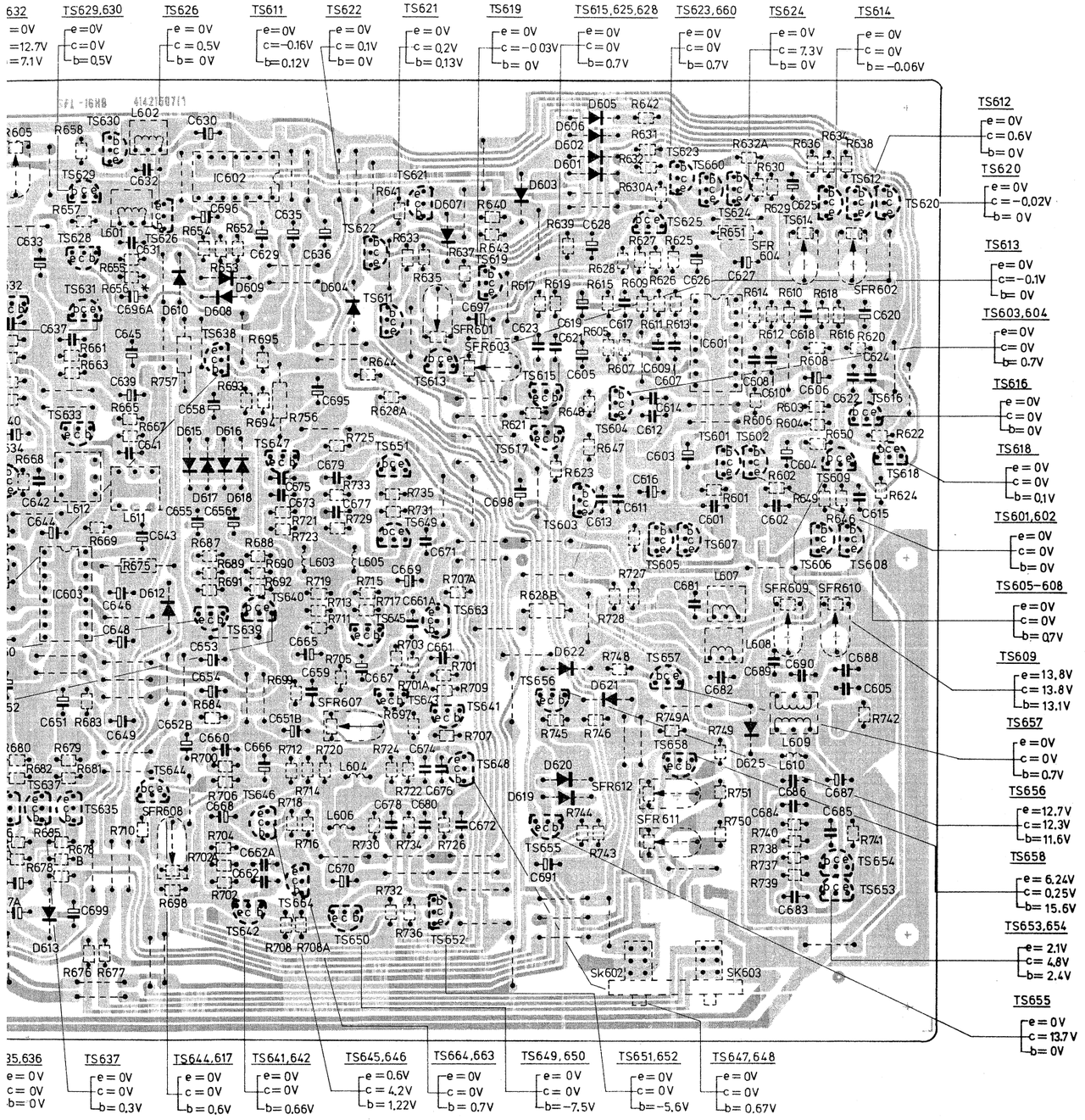


	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
IC101	0,9V	1,6V	4,5V	0V	0V	4,6V	0,1V	3,9V	4,6V																			
IC102 AM	10,6V	5,6V	5,6V	5,6V	1,0V	1,2V	10,8V	10,6V	10,7V	10,3V	0V	11,3V	2,0V	11,2V	0,4V	1,5V	1,5V	5,6V										
FM	8,7V	0,5V	0,5V	0,5V	0V	0,3V	8,6V	8,6V	8,6V	0,9V	0V	8,7V	1,6V	9,1V	1,2V	1,6V	1,4V	0,5V										
IC103	11,3V	2,3V	5,2V	9,2V	9,2V	4,7V	4,7V	0V	0V	2,4V	2,3V	2,3V	2,3V	2,3V	3,1V	0V												
IC201	7,7V	0V	4,3V	0V	0V	0V	7,6V	7,6V	0V	0V	0V	0V	0V	0V	1,7V	1,9V	0V	1,8V	0V	0V	0V	0V	0V	0V	0V	0V	0V	7,9V
IC502	1,2V	0,7V	5,9V	6,9V	0V	12,8V	6,25V	0,7V	1,2V																			
IC601	9,0V	2,2V	0V	2,2V	2,2V	2,2V	2,2V	0V	2,2V		2,2V	2,2V	2,2V	2,2V	0,1	2,2V												
IC602	0,1V	0V	0V	0V	13,2V	13,2V	0V	0V	0V	0V	0V	0,5V	0,5V	13,8V														
IC603	6,7V	13,1V	6,7V	6,7V	0V	6,7V	0,8V	6,7V	6,7V	0,8V	6,7V	0V	1,2V	6,7V	0V	6,7V												

* only for -/01/25

Note: Values indicated in ☐ are DC Voltages between the chassis ground and the electrical parts.

P C Board-Solder Side



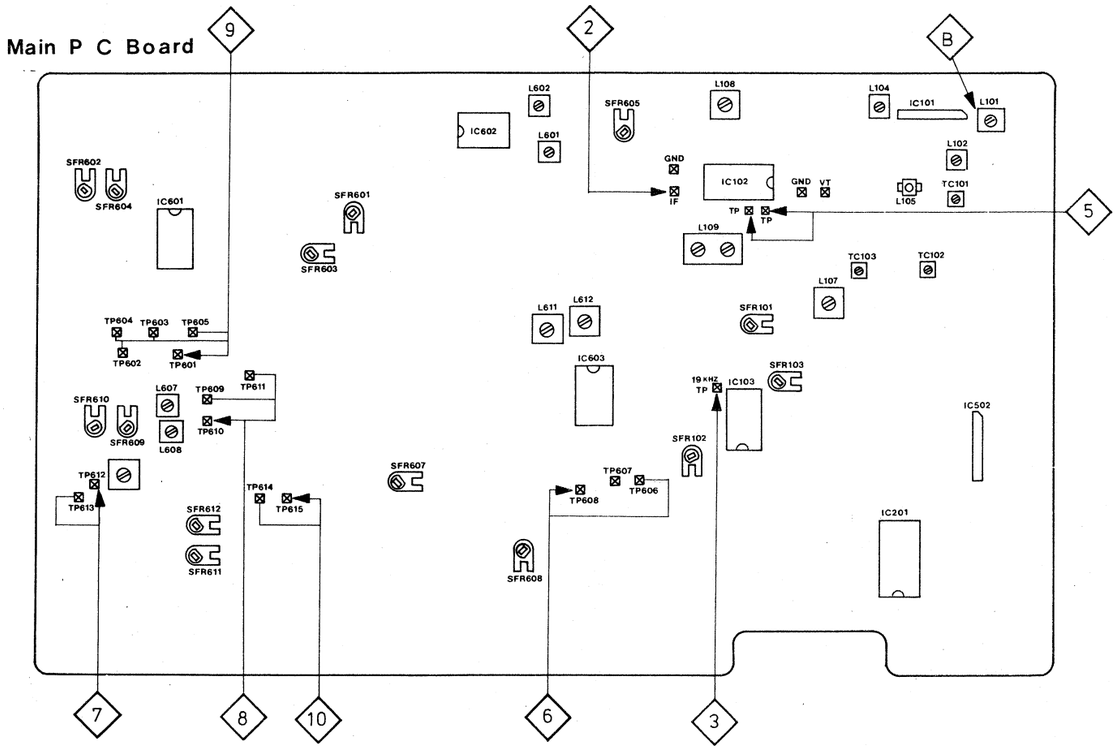
17	18	19	20	21	22	23	24	25	26	27	28
5V	5,6V										
4V	0,5V										
0V	1,8V	0V	0V	0V	0V	0V	0V	0V	0V	0V	7,9V

* only for -/01/25

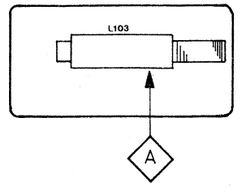
chassis ground and the electrical parts.

Adjustment Locations

Main P C Board



Antenna P C Board



(GB)
WARNING

ESD

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD).
Careless handling during repair can reduce life drastically.
When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance.
Keep components and tools also at this potential.

(F)
ATTENTION

ESD

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD).
Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation.
Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfiler le bracelet serti d'une résistance de sécurité.
Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

(NL)
WAARSCHUWING

ESD

Alle IC's en vele andere halfgeleiders zijn gevoelig voor electrostatische ontladingen (ESD).
Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen.
Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat.
Houd componenten en hulpmiddelen ook op ditzelfde potentiaal.

(D)
WARNUNG

ESD

Alle ICs und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD).
Unsorgfältige Behandlung im Reparaturfall kan die Lebensdauer drastisch reduzieren.
Veranlassen Sie, dass Sie im Reparaturfall über ein Pulsarmband mit Widerstand verbunden sind mit dem gleichen Potential wie die Masse des Gerätes.
Bauteile und Hilfsmittel auch auf dieses gleiche Potential halten.

(I)
AVVERTIMENTO

ESD

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).
La loro longevità potrebbe essere fortemente ridatta in caso di non osservazione della più grande cauzione alla loro manipolazione.
Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.
Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

(GB)
Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

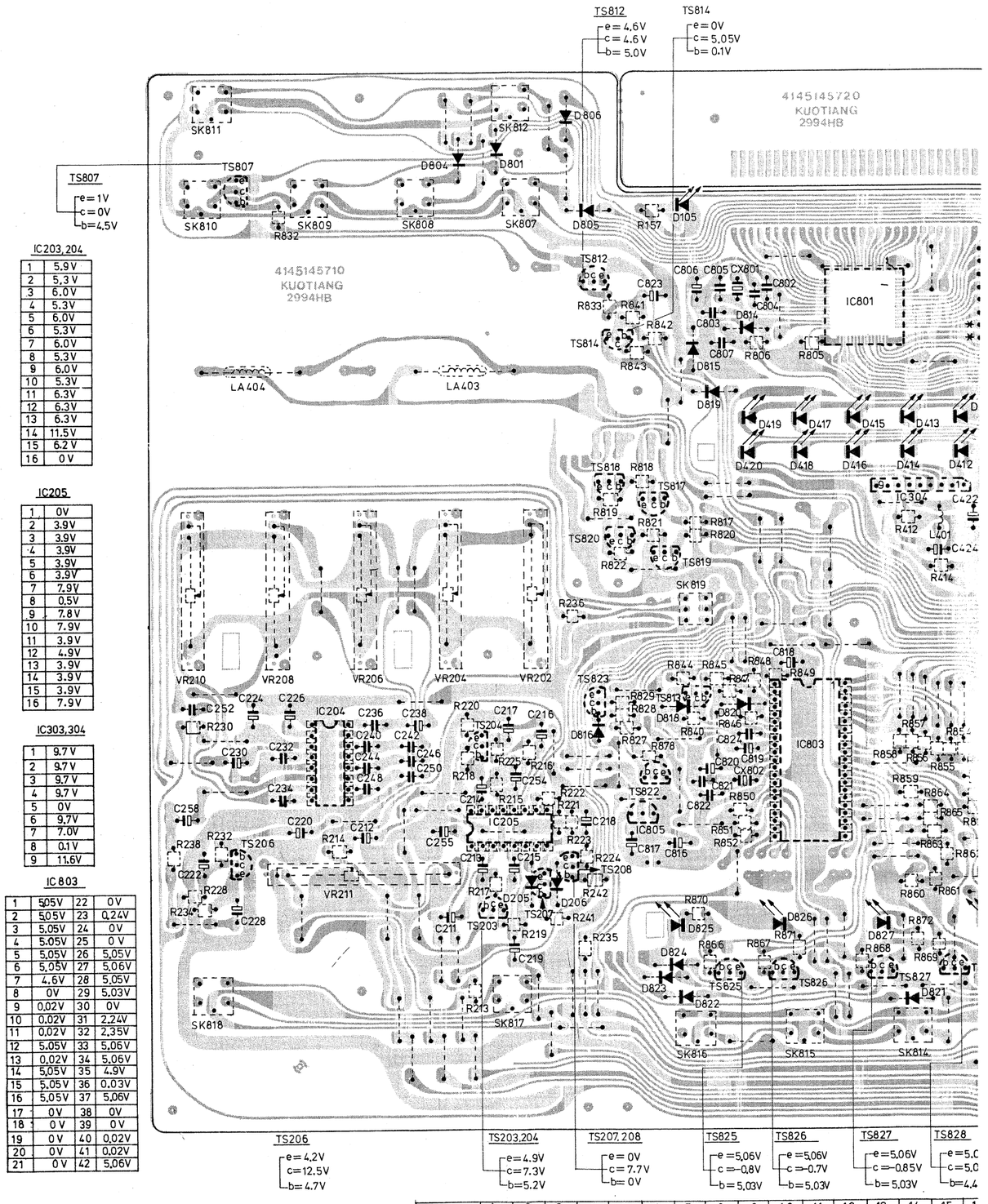
(NL)
Veiligheidsbepalingen vereisen, dat het apparaat in zijn oorspronkelijke
toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde worden toegepast.

(D)
Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Geräts darf nicht verändert werden für Reparaturen sind Original-Ersatzteile zu verwenden.

(I)
Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati pezzi di ricambiago identici a quelli specificati.

(F)
Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine
et que soient utilisées les pièces de rechange identiques à celles spécifiées.

P C Board-Solder Side



IC203,204

1	5.9V
2	5.3V
3	6.0V
4	5.3V
5	6.0V
6	5.3V
7	6.0V
8	5.3V
9	6.0V
10	5.3V
11	6.3V
12	6.3V
13	6.3V
14	11.5V
15	6.2V
16	0V

IC205

1	0V
2	3.9V
3	3.9V
4	3.9V
5	3.9V
6	3.9V
7	7.9V
8	0.5V
9	7.8V
10	7.9V
11	3.9V
12	4.9V
13	3.9V
14	3.9V
15	3.9V
16	7.9V

IC303,304

1	9.7V
2	9.7V
3	9.7V
4	9.7V
5	0V
6	9.7V
7	7.0V
8	0.1V
9	11.6V

IC 803

1	5.05V	22	0V
2	5.05V	23	0.24V
3	5.05V	24	0V
4	5.05V	25	0V
5	5.05V	26	5.05V
6	5.05V	27	5.06V
7	4.6V	28	5.05V
8	0V	29	5.03V
9	0.02V	30	0V
10	0.02V	31	2.24V
11	0.02V	32	2.35V
12	5.05V	33	5.06V
13	0.02V	34	5.06V
14	5.05V	35	4.9V
15	5.05V	36	0.03V
16	5.05V	37	5.06V
17	0V	38	0V
18	0V	39	0V
19	0V	40	0.02V
20	0V	41	0.02V
21	0V	42	5.06V

TS206
e=4.2V
c=12.5V
b=4.7V

TS203,204
e=4.9V
c=7.3V
b=5.2V

TS207,208
e=0V
c=7.7V
b=0V

TS825
e=5,06V
c=-0.8V
b=5,03V

TS826
e=5,06V
c=-0.7V
b=5,03V

TS827
e=5,06V
c=-0.85V
b=5,03V

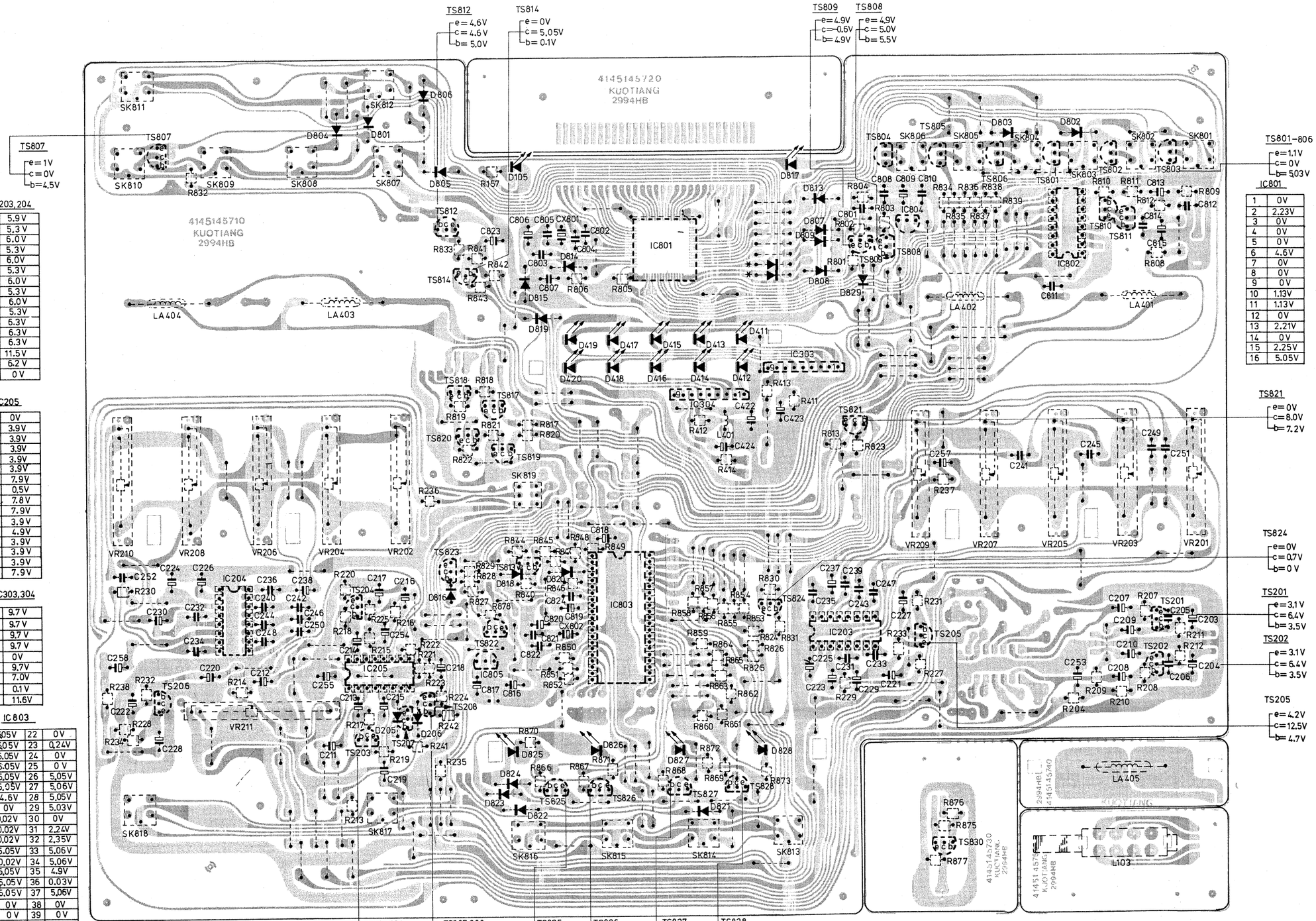
TS828
e=5.0
c=5.0
b=4.4

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
IC801	2,24V	2,24V	2,24V	2,24V	2,24V	2,24V	2,24V	2,24V	2,24V	2,24V	2,24V	2,24V	2,24V	2,24V	2,24V	2.
31–60	0,2V	0,25V	0V	0V	0V	1V	0.5V	0V	0V	0V	0V	0V	0V	0V	0V	2

* only for -/01/25

Note: Values indicated in ☐ are DC Voltages between the cha

P C Board-Solder Side



IC203,204

1	5.9V
2	5.3V
3	6.0V
4	5.3V
5	6.0V
6	5.3V
7	6.0V
8	5.3V
9	6.0V
10	5.3V
11	6.3V
12	6.3V
13	6.3V
14	11.5V
15	6.2V
16	0V

IC205

1	0V
2	3.9V
3	3.9V
4	3.9V
5	3.9V
6	3.9V
7	7.9V
8	0.5V
9	7.8V
10	7.9V
11	3.9V
12	4.9V
13	3.9V
14	3.9V
15	3.9V
16	7.9V

IC303,304

1	9.7V
2	9.7V
3	9.7V
4	9.7V
5	0V
6	9.7V
7	7.0V
8	0.1V
9	11.6V

IC801

1	0V
2	2.23V
3	0V
4	0V
5	0V
6	4.6V
7	0V
8	0V
9	0V
10	1.13V
11	1.13V
12	0V
13	2.21V
14	0V
15	2.25V
16	5.05V

IC803

1	5.05V	22	0V
2	5.05V	23	0.24V
3	5.05V	24	0V
4	5.05V	25	0V
5	5.05V	26	5.05V
6	5.05V	27	5.06V
7	4.6V	28	5.05V
8	0V	29	5.03V
9	0.02V	30	0V
10	0.02V	31	2.24V
11	0.02V	32	2.35V
12	5.05V	33	5.06V
13	0.02V	34	5.06V
14	5.05V	35	4.9V
15	5.05V	36	0.03V
16	5.05V	37	5.06V
17	0V	38	0V
18	0V	39	0V
19	0V	40	0.02V
20	0V	41	0.02V
21	0V	42	5.06V

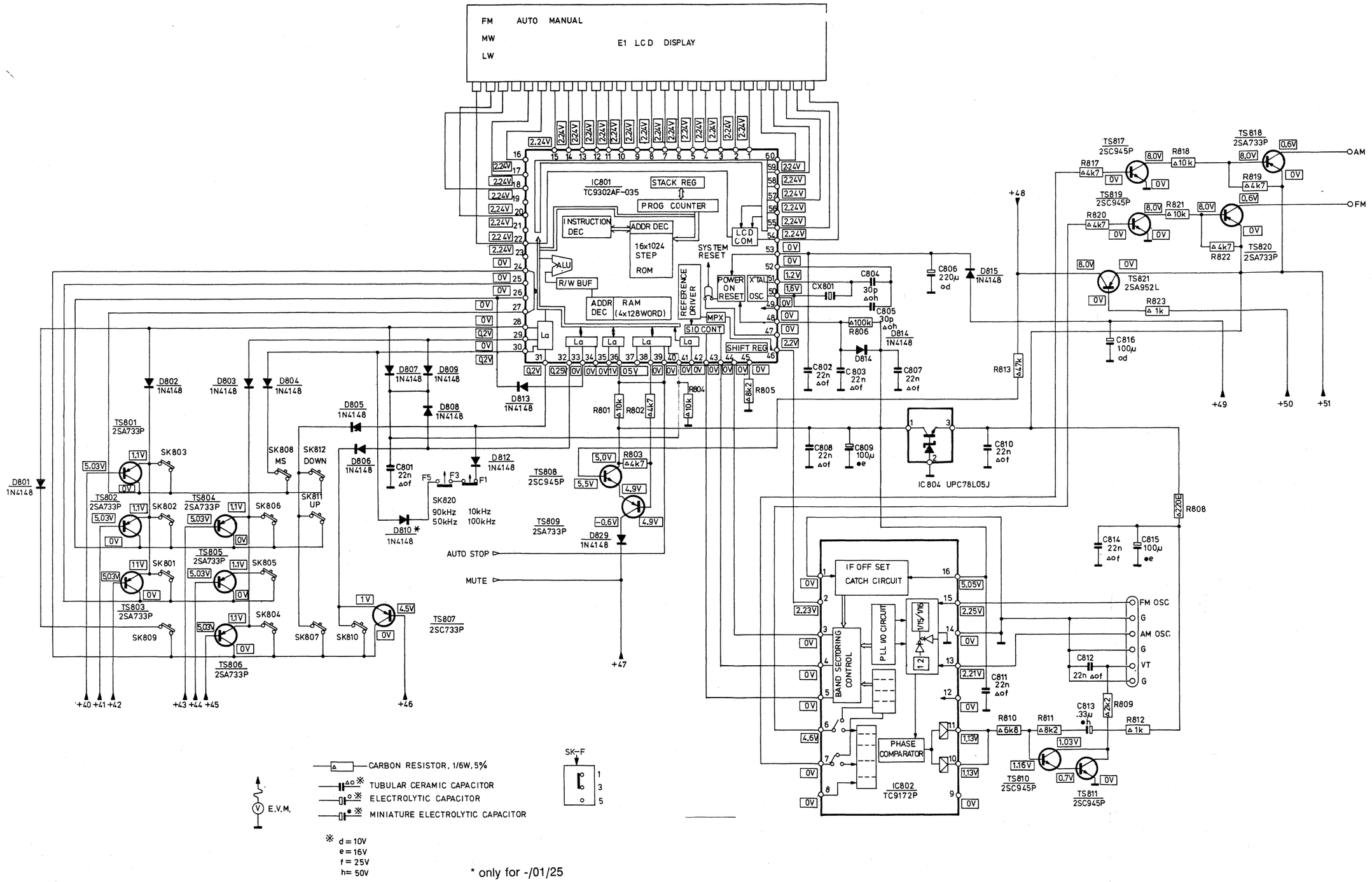
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
IC801	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	0V	0V	0V	0V	0V	0.2V	0V	0.2V
31-60	0.2V	0.25V	0V	0V	0V	1V	0.5V	0V	0V	0V	0V	0V	0V	0V	0V	2.2V	0V	0V	0V	1.6V	1.2V	0V	0V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V	2.24V

* only for -/01/25

Note: Values indicated in ☐ are DC Voltages between the chassis ground and the electrical parts.

Schematic Diagram

PLL & REMOTE CIRCUIT



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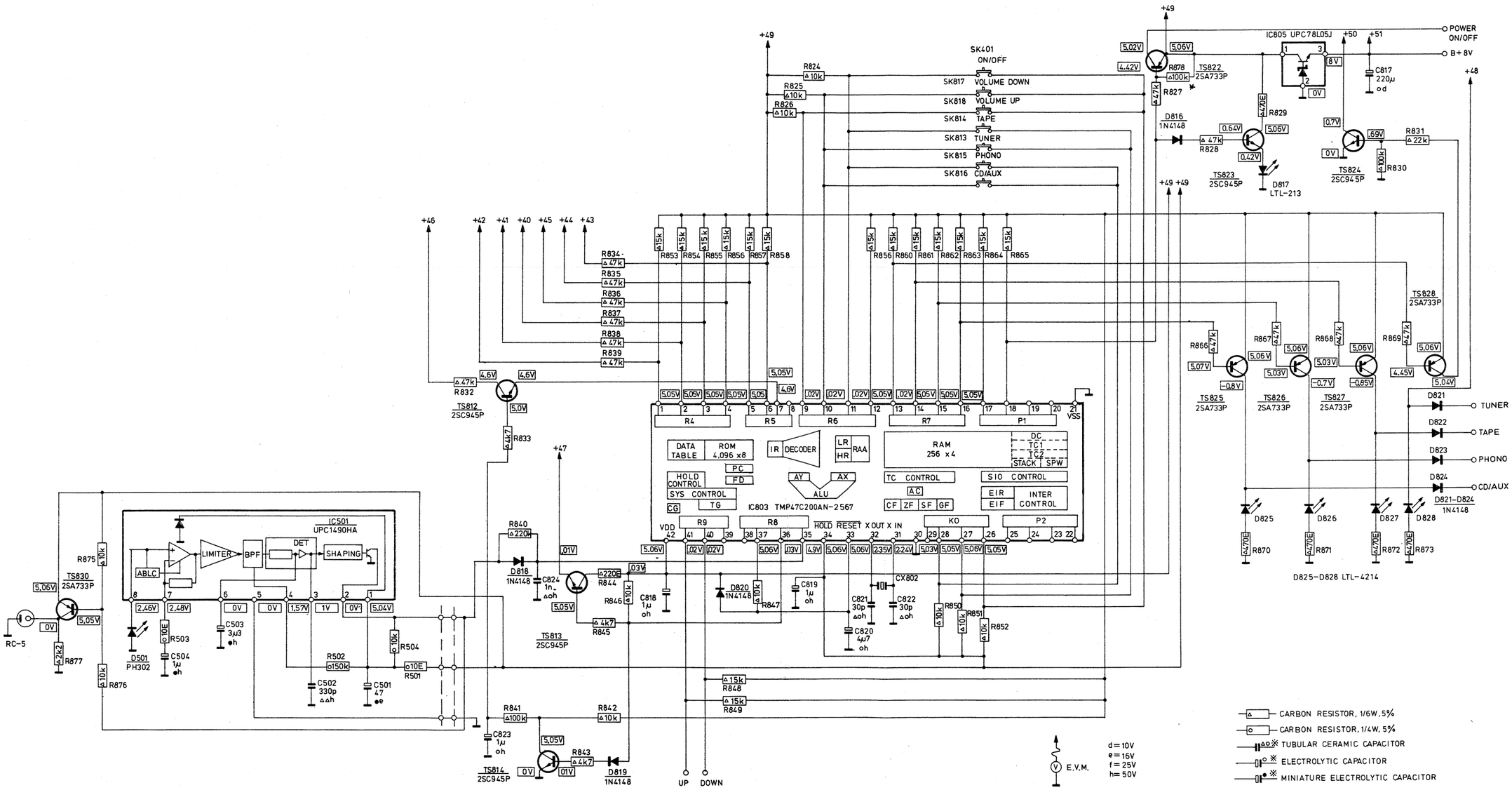
Schematic Diagram

AF PART



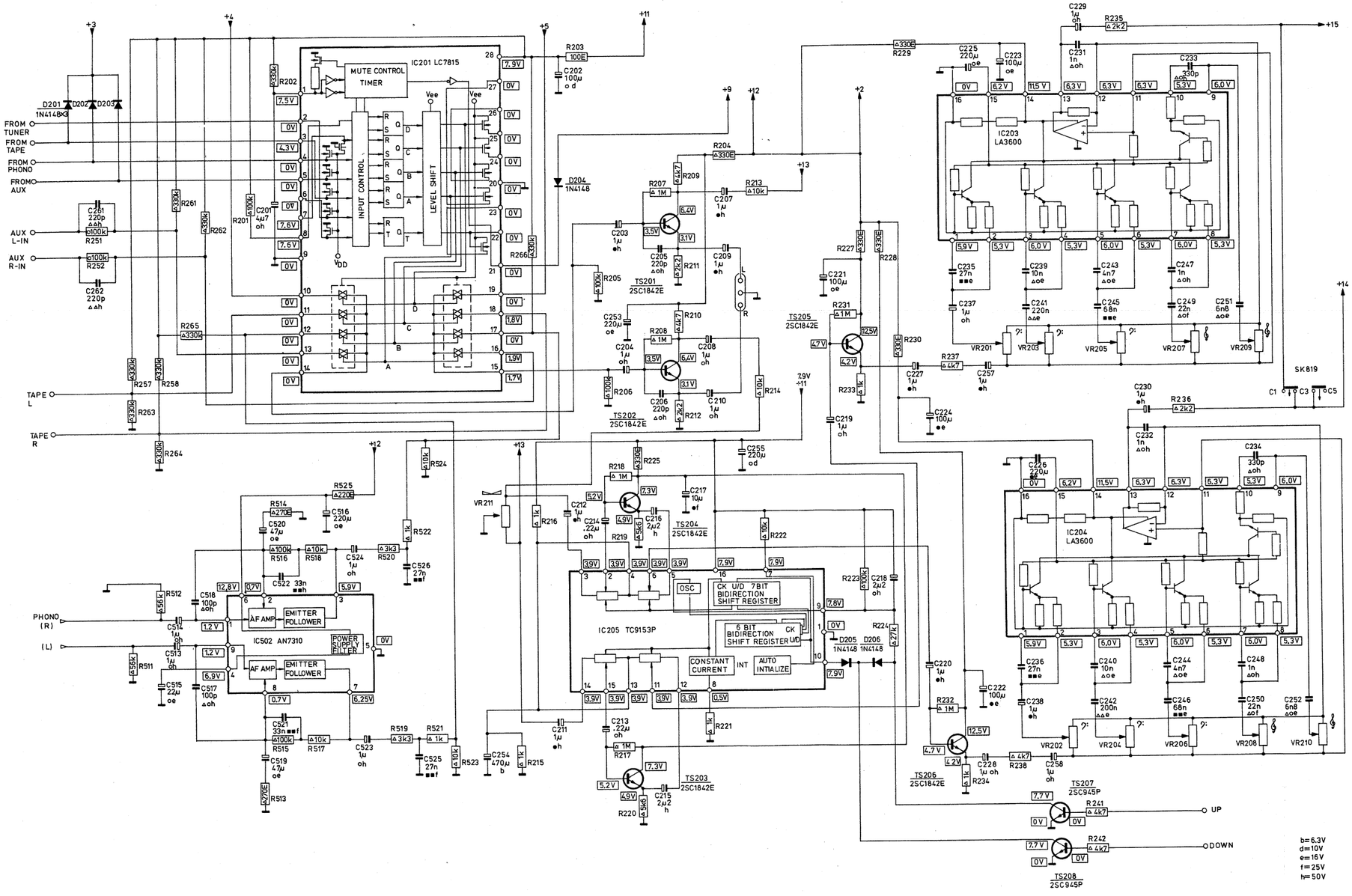
CARBON RESISTOR, 1/6W, 5%
CARBON RESISTOR, 1/4W, 5%
TUBULAR CERAMIC CAPACITOR
ELECTROLYTIC CAPACITOR
MINIATURE ELECTROLYTIC CAPACITOR

d = 10V
e = 16V
f = 25V
h = 50V

* only for -/01/25

Schematic Diagram

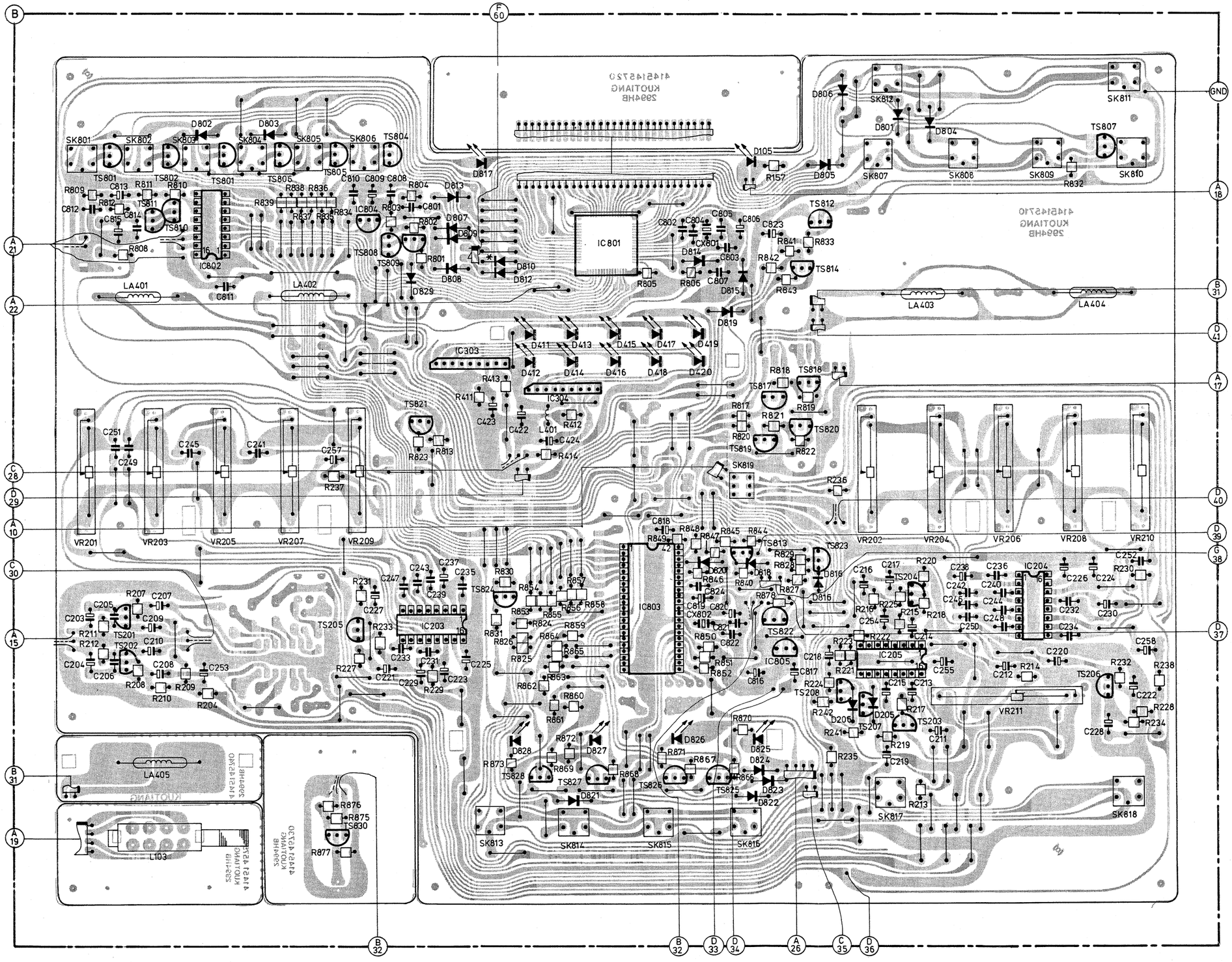
AF PART



CARBON RESISTOR, 1/6W, 5%
CARBON RESISTOR, 1/4W, 5%
PLATE CERAMIC CAPACITOR
TUBULAR CERAMIC CAPACITOR
SEMI CONDUCTOR CAPACITOR
ELECTROLYTIC CAPACITOR
MINIATURE ELECTROLYTIC CAPACITOR
NON POLARIZED ELECTROLYTIC CAPACITOR

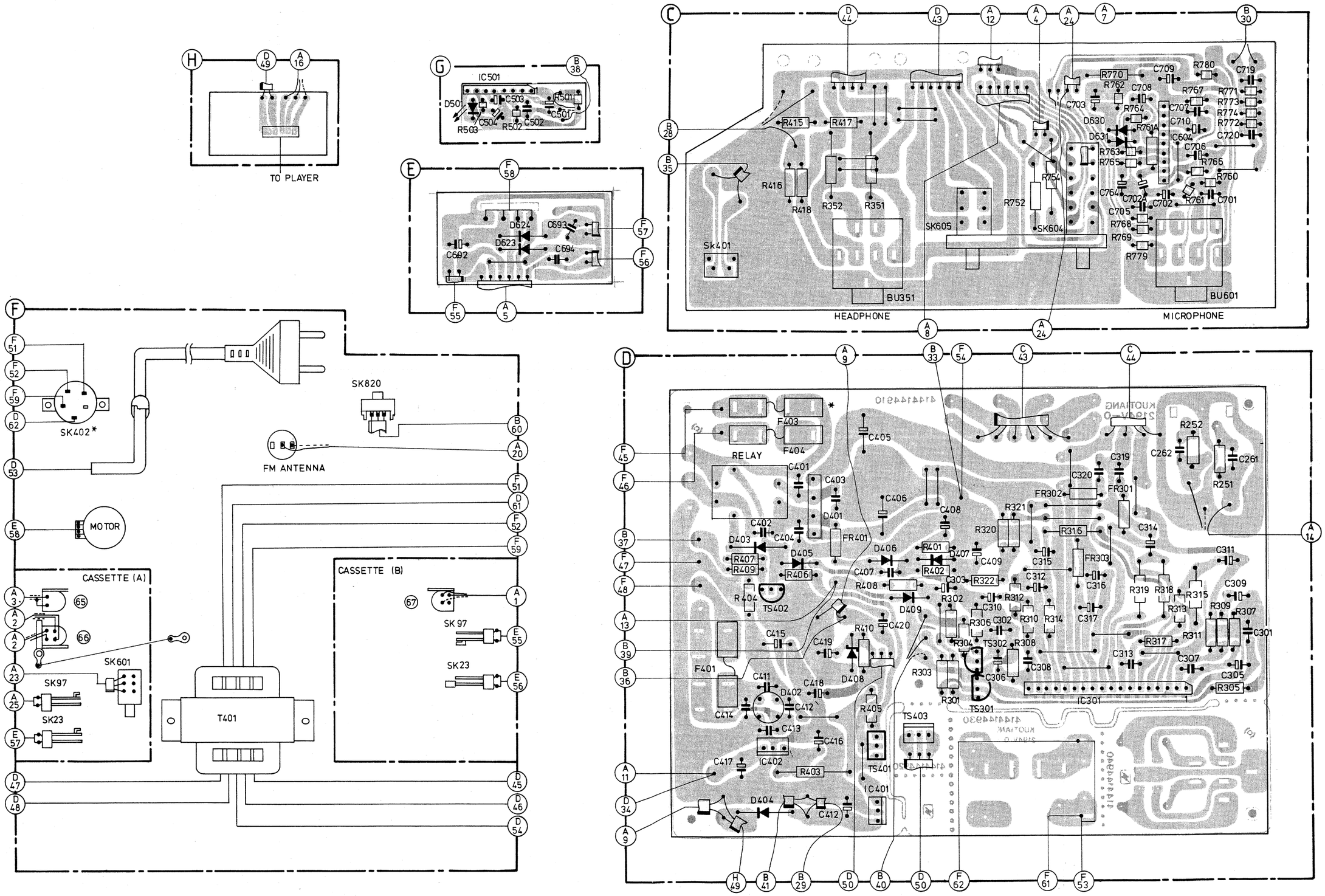
b = 6.3V
d = 10V
e = 16V
f = 25V
h = 50V

Wiring Diagram



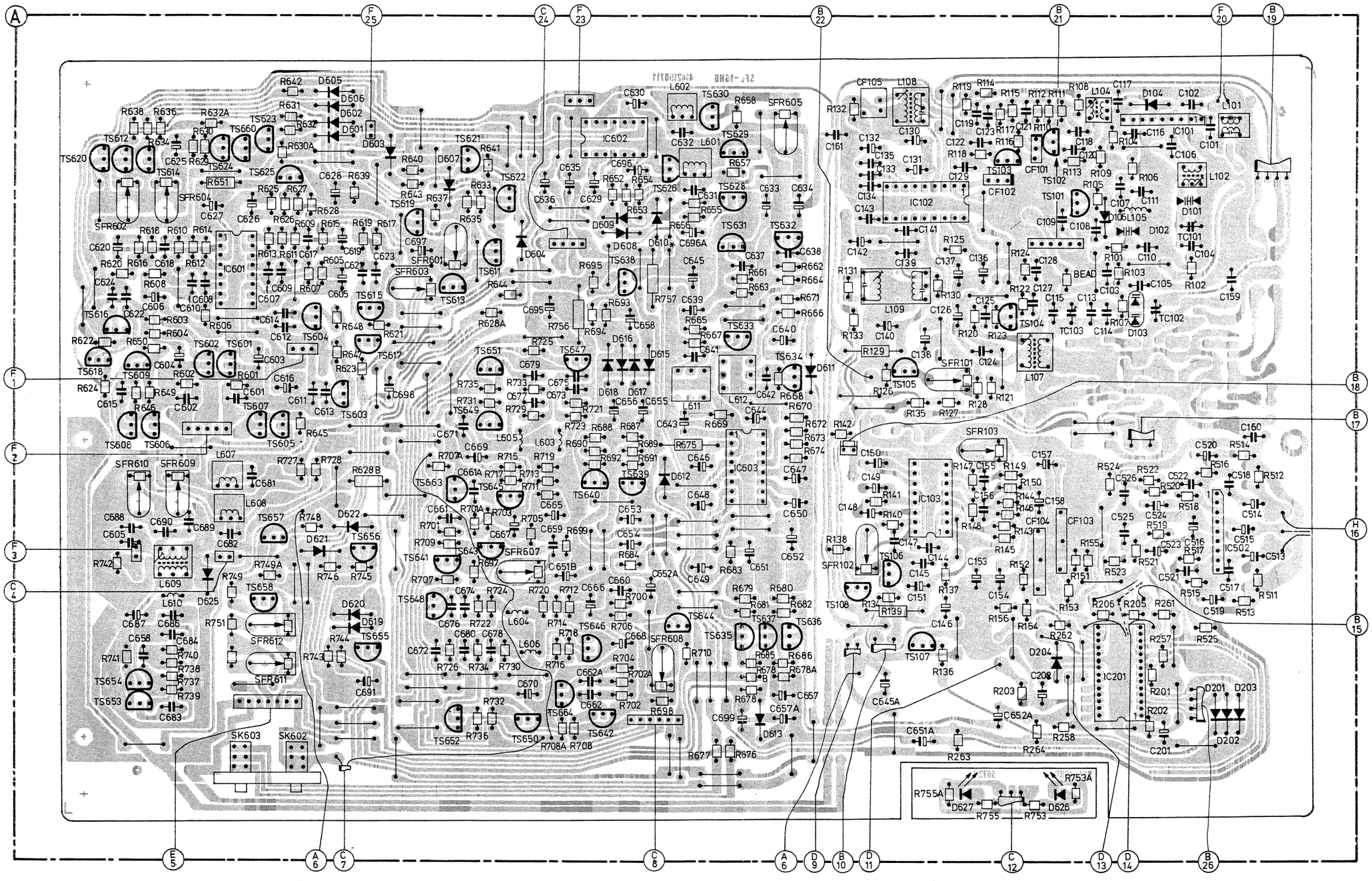
* only for -/01/25

Wiring Diagram



* only for -/01/25

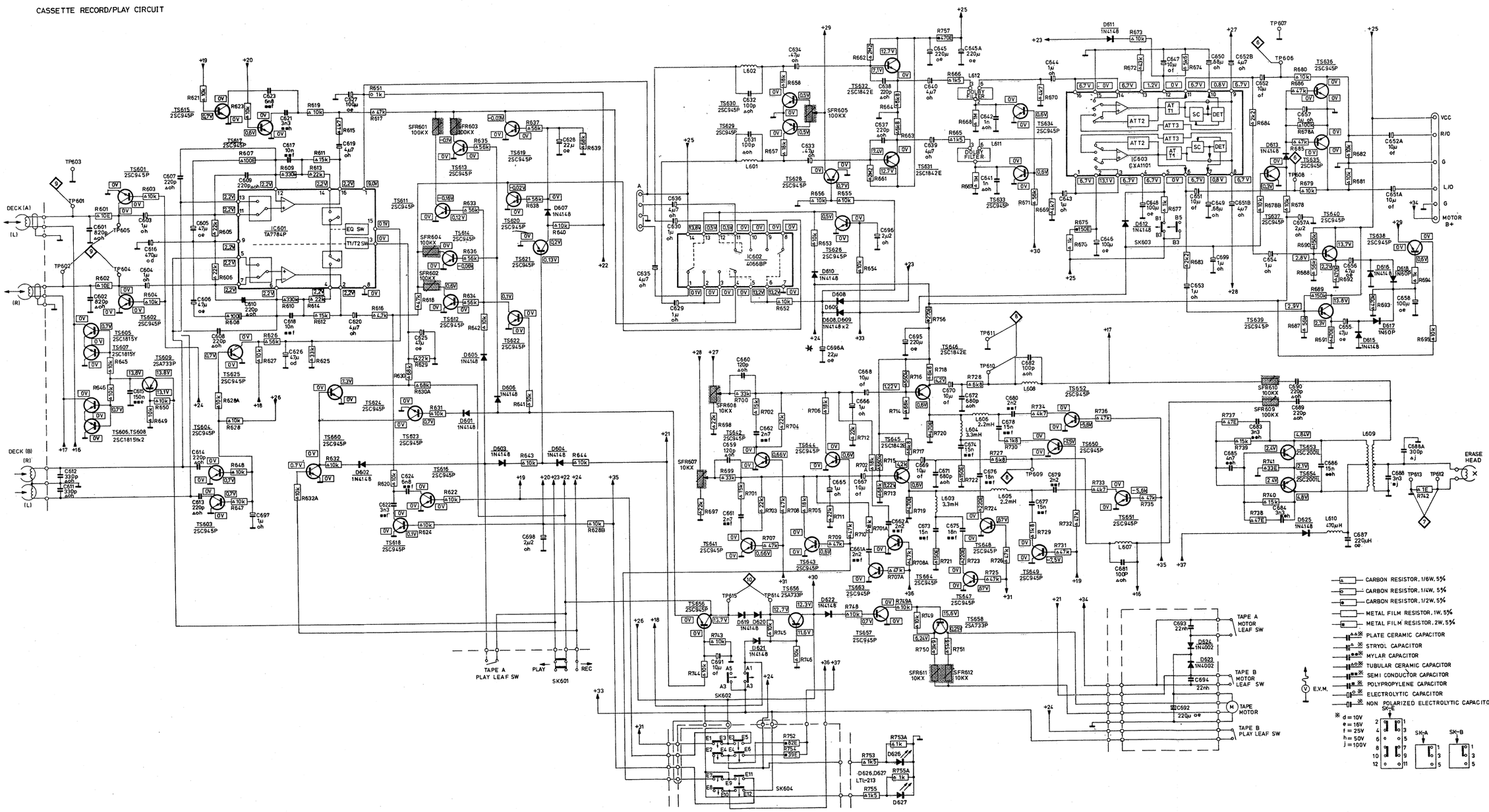
Wiring Diagram



* only for -/01/25

Schematic Diagram

CASSETTE RECORD/PLAY CIRCUIT



* only for -/01/25

MECHANICAL PARTS EXPLODED VIEW A+B

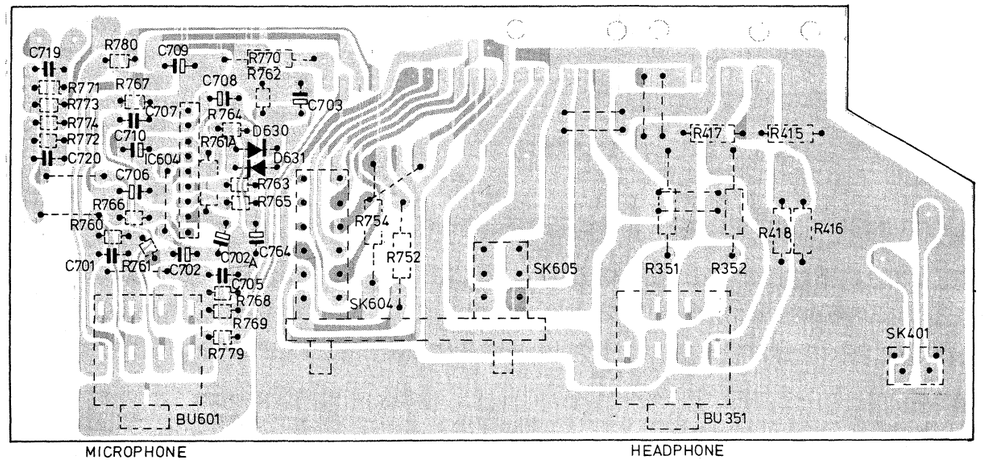
M1	4822 410 26657
M2	4822 450 61264
M3	4822 492 70045
M4	4822 450 61266
M5	4822 443 62543
M6	4822 411 61529
M7	4822 380 30262
M8	4822 411 61528
M9	4822 450 61265
M10	4822 443 62542
M11	4822 450 61263
M12	4822 450 61262
M13	4822 450 61261
M14	4822 450 61259
M15	4822 450 61258
M16	4822 426 51306
M17	4822 410 26353
M18	4822 410 26352
M19	4822 410 26354
M20	4822 410 26663
M21	4822 528 20472
M23	4822 410 26658
M26	4822 410 26662
M27	4822 358 30867
M28	4822 410 26659
M29	4822 349 50327
M30	4822 404 20994
M32	4822 466 92276
M33	4822 256 30374
M34	4822 450 81114
M35	4822 380 20315
M37	4822 410 26661
M38	4822 404 20996
M40	4822 404 20993
M41	4822 255 40878
M43	4822 466 92277
M44	4822 404 20995
M50	4822 462 41283
M51	4822 265 20398
M53	4822 532 51847
M54	4822 264 30247
M55	4822 462 71461
M58	4822 264 30246
M59	4822 265 40738
M60	4822 218 10231

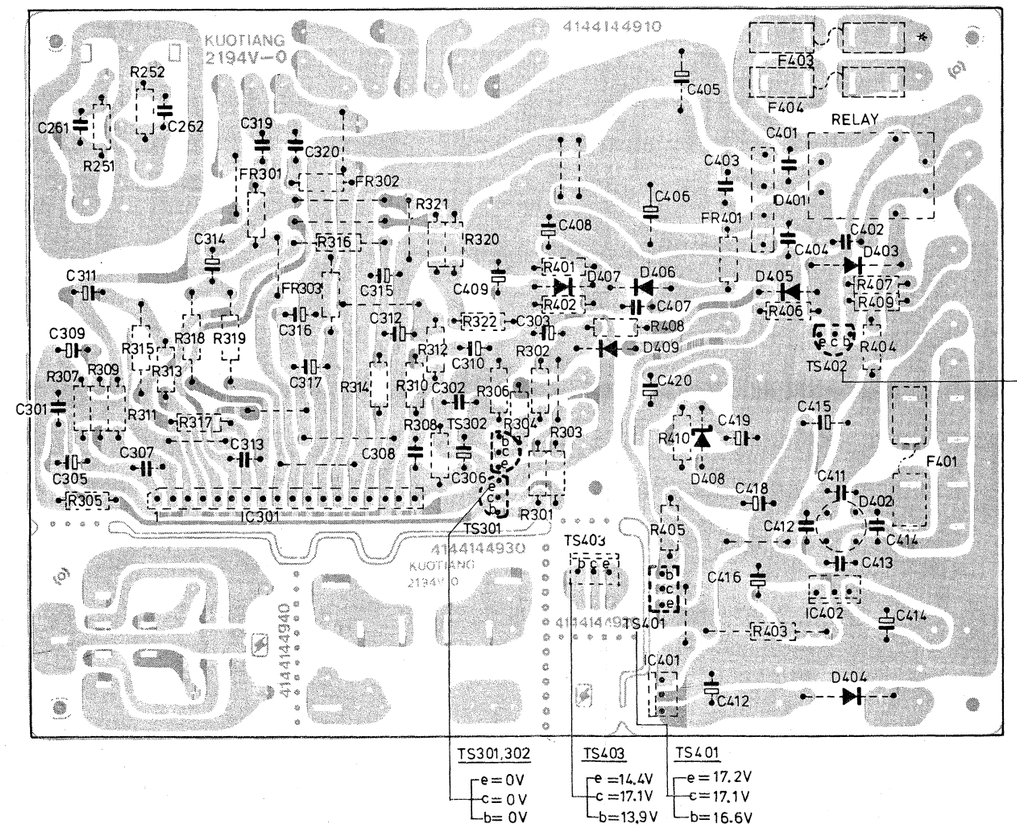
MECHANICAL PARTS RECORD PLAYER

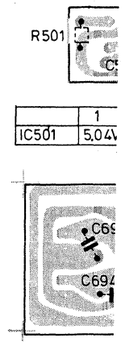
51	4822 528 10716
52	4822 535 10168
53a,b	4822 528 10715
54	4822 321 30352
56	4822 535 60089
57	4822 532 51651
58	4822 532 52002
59	4822 530 51095
61	4822 325 60331
62	4822 381 11022
63	4822 361 10503
64	4822 505 10939
66	4822 276 12489
67	4822 276 12488
68	4822 276 12487
69	4822 358 50102
71	4822 277 11093
72	4822 404 60437
73	4822 492 20053
74	4822 462 71549
76	4822 444 60588
77	4822 535 92521
78	4822 522 32508
79	4822 492 70071
81	4822 277 11094
82a,b,c,d	4822 251 70311
83	4822 404 60435
84	4822 535 92524
86	4822 532 11684
87	4822 466 61163
88	4822 535 92519
89	4822 492 32906
91	4822 277 11092
92	4822 530 70354
93	4822 535 92518
94a,b	4822 277 11091
96	4822 535 92522
97	4822 404 60436
98	4822 277 11095
99	4822 277 60255
101	4822 535 92523

Only the mentioned parts are normal service parts!

P C Board-Solder Side

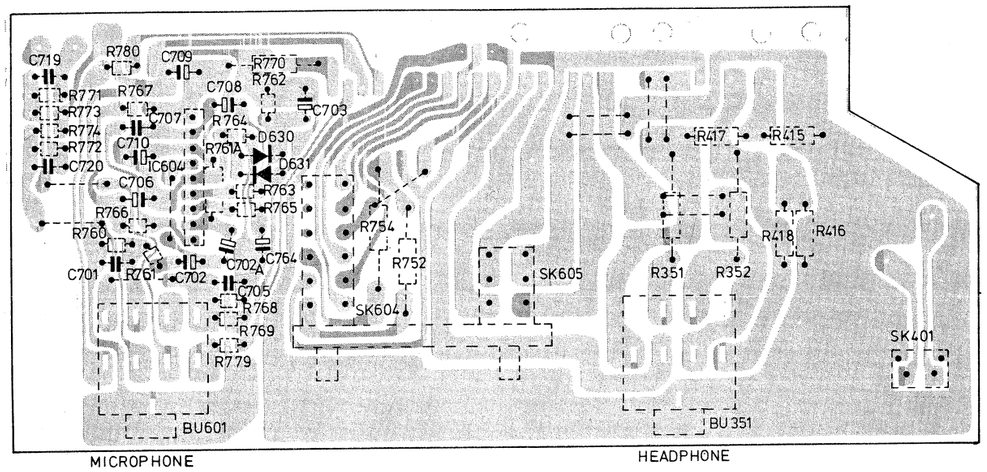


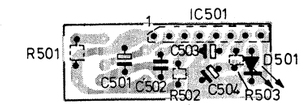




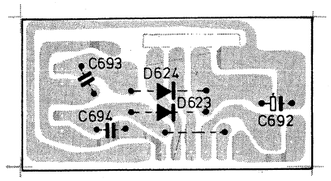
* only

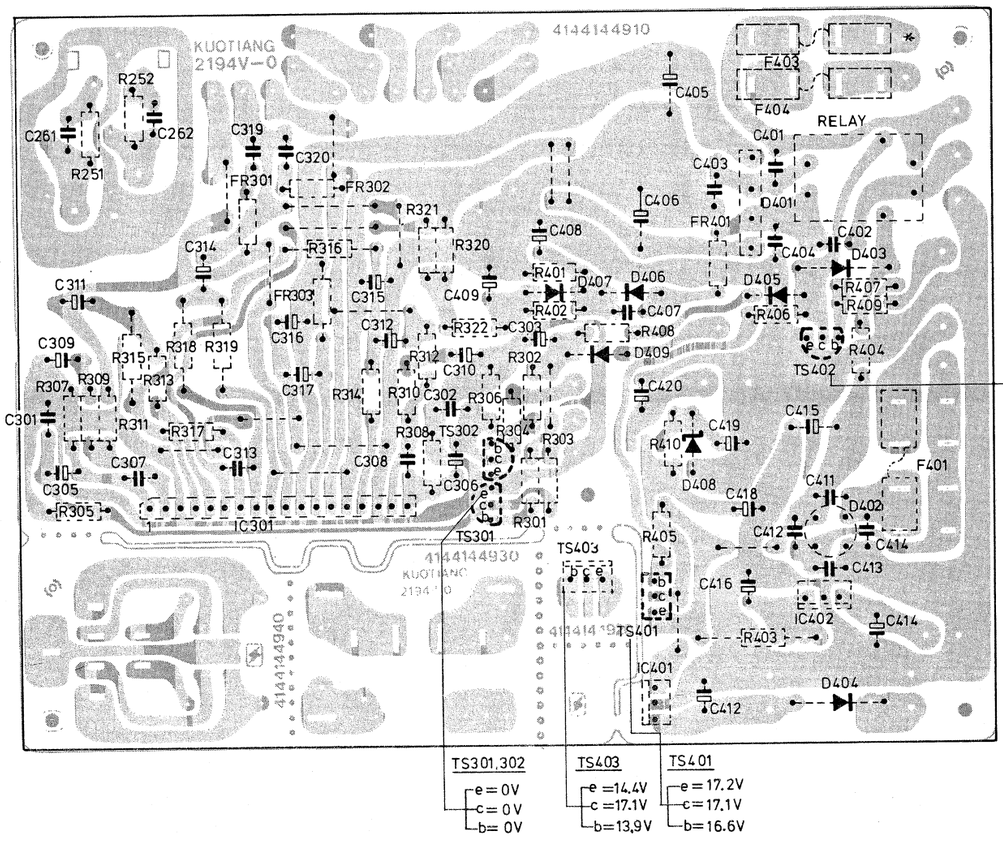
P C Board-Solder Side





	1	2	3	4	5	6	7	8
IC501	5.04V	0V	1V	1.57V	0V	0V	2.48V	2.46V





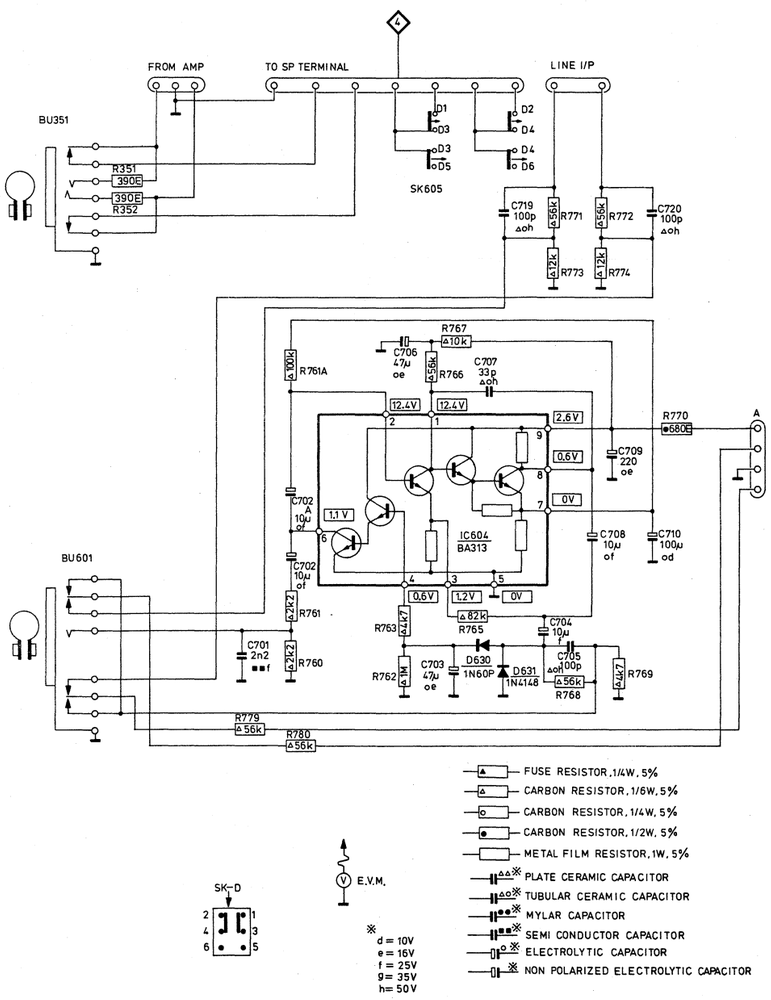
* only for -/01/25

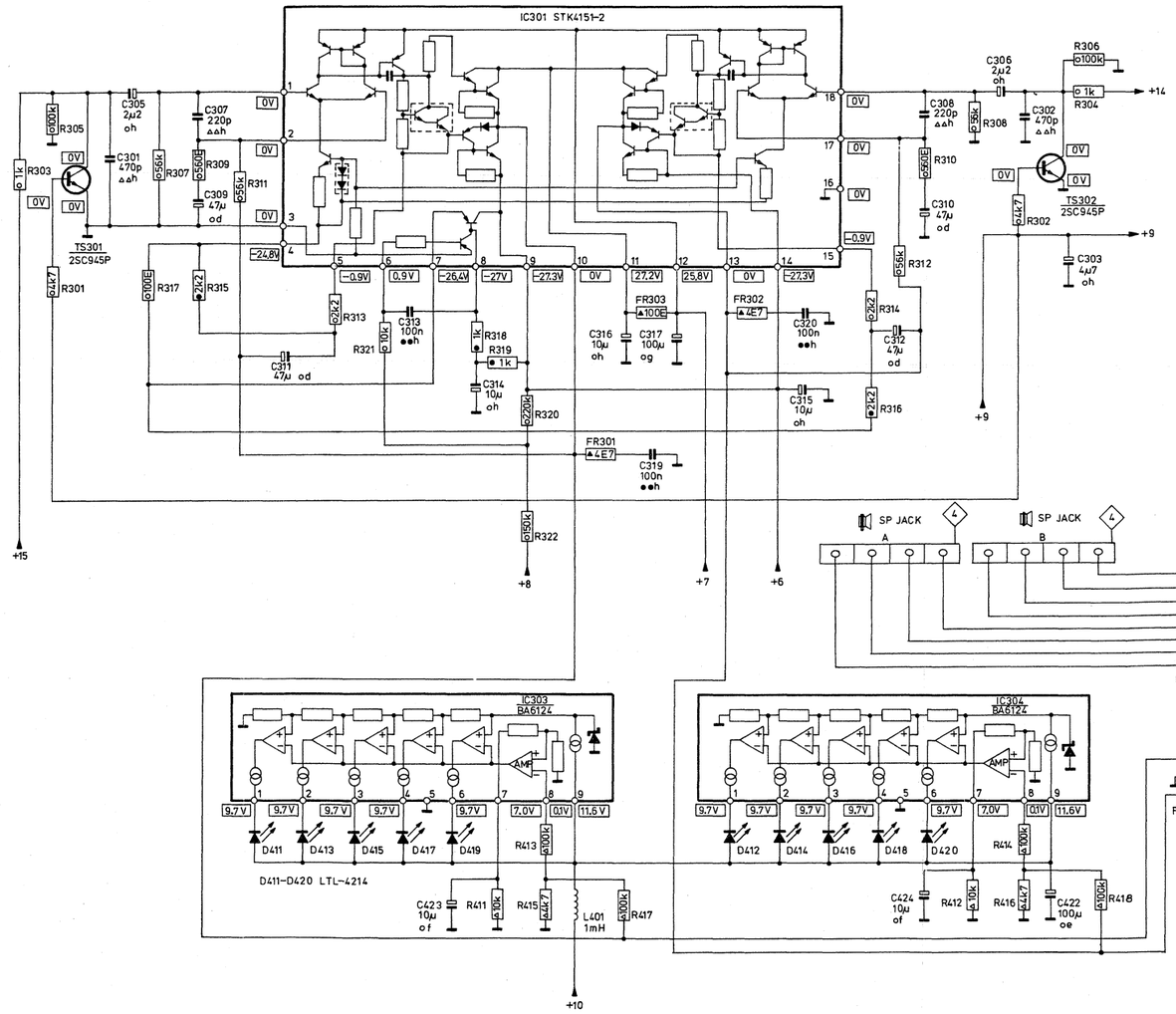
IC301

1	0V
2	0V
3	0V
4	-24.8V
5	-0.9V
6	0.9V
7	-26.4V
8	-27V
9	-27.3V
10	0V
11	27.2V
12	25.8V
13	0V
14	-27.3V
15	-0.9V
16	0V
17	0V
18	0V

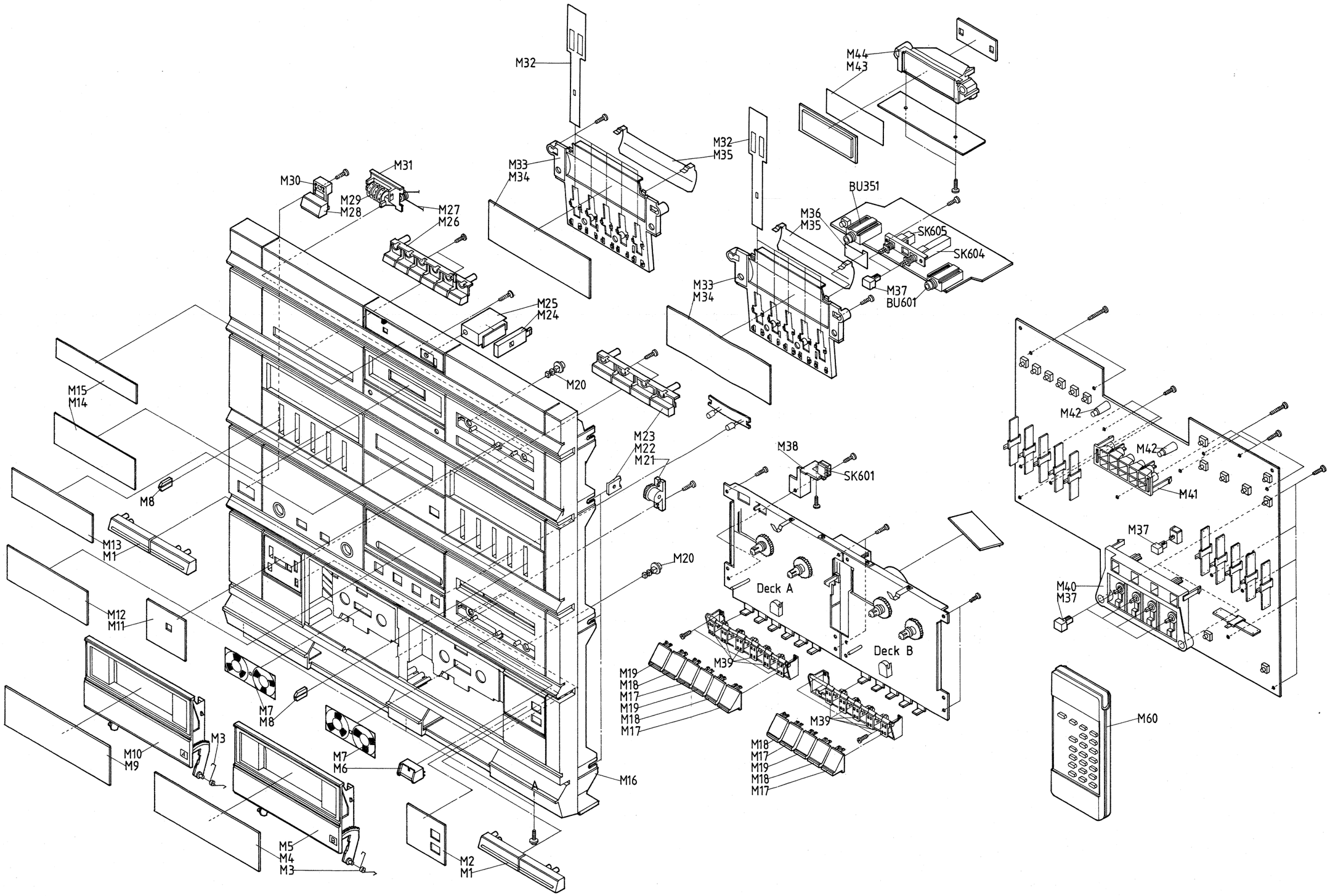
Schematic Diagram

MIC AMP & POWER AMP CIRCUIT

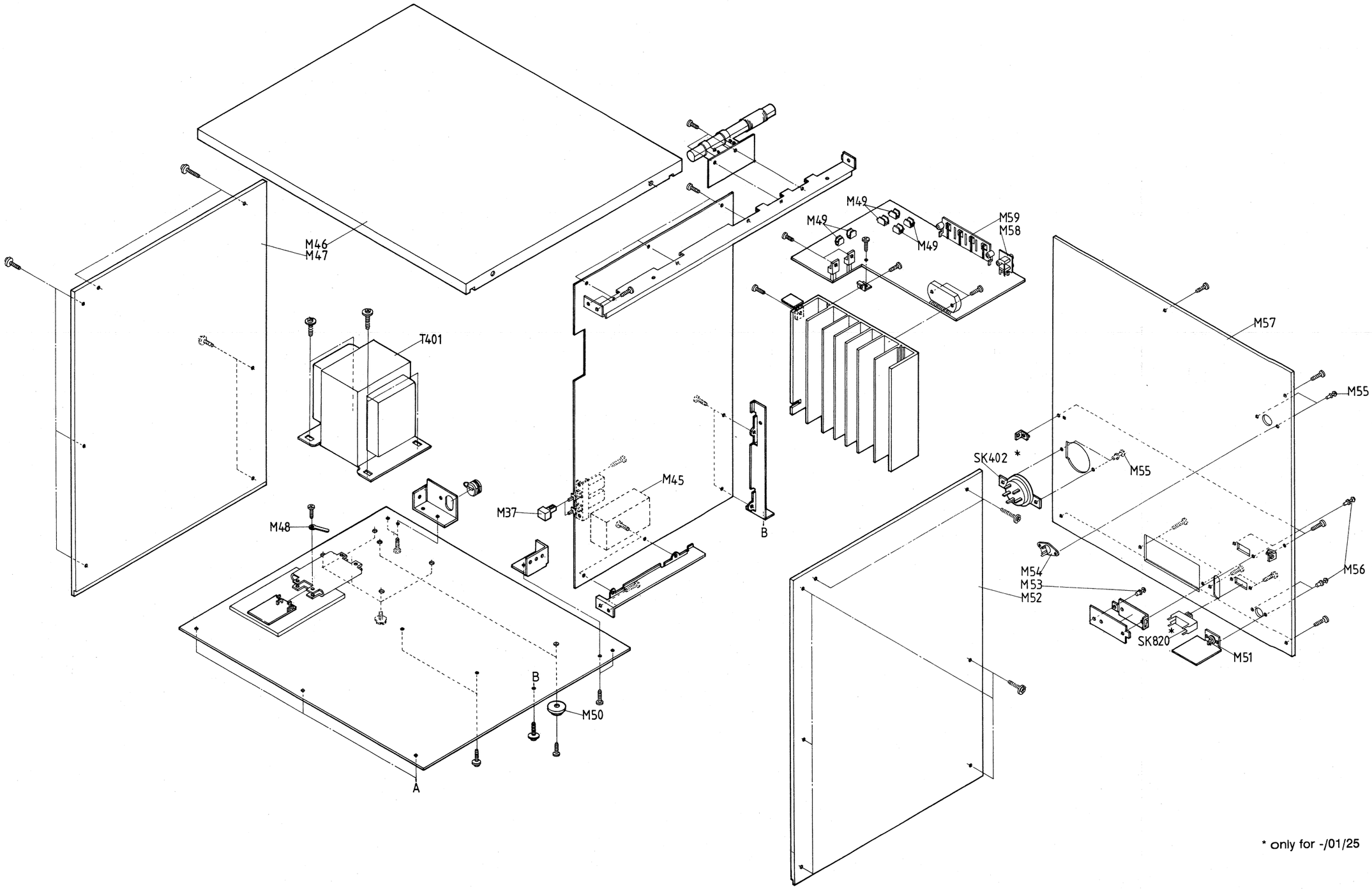




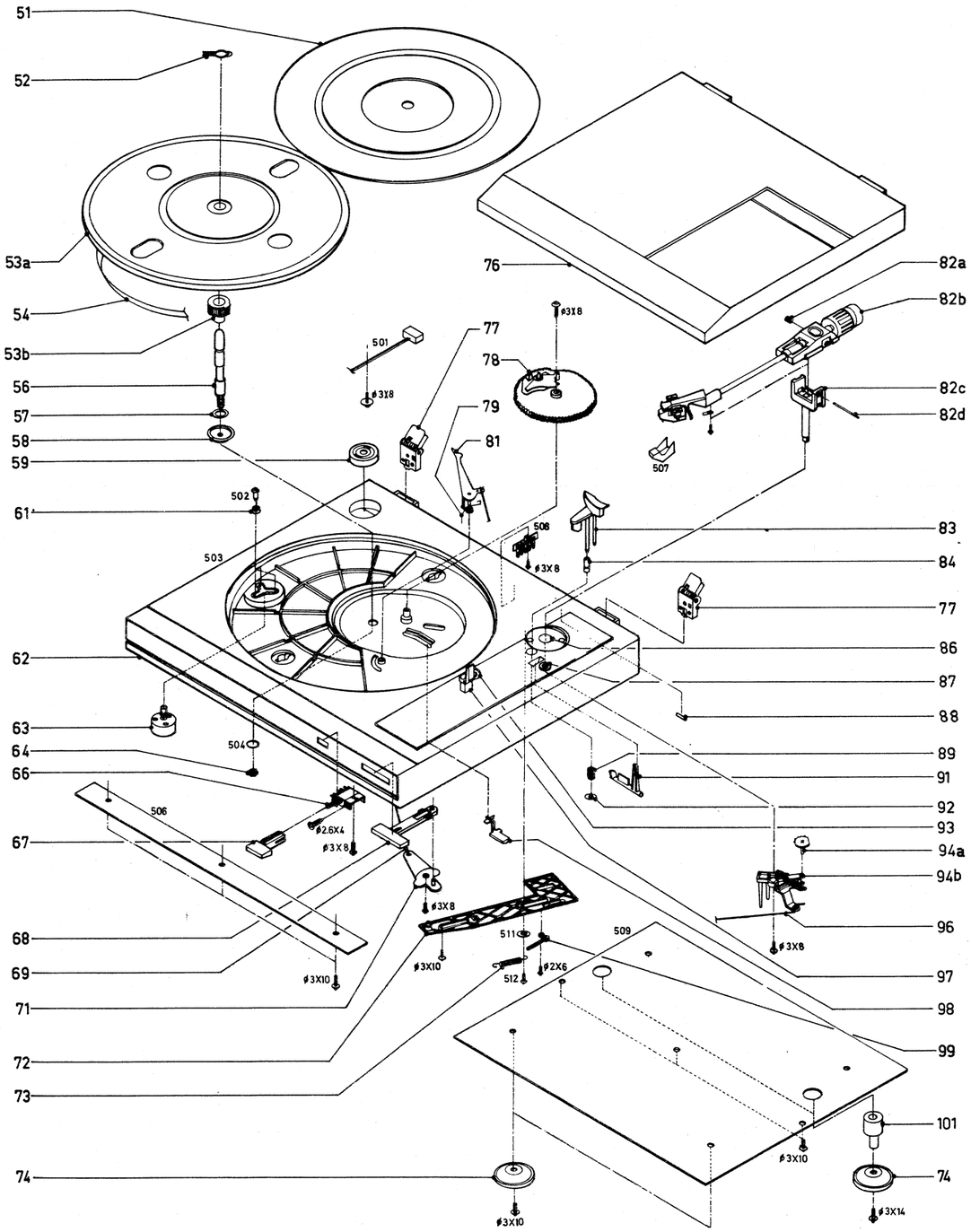
Mechanical Exploded View (A)



Mechanical Exploded View (B)



* only for -/01/25



IC

101	4822 209 73395	LA 1186N
102	4822 209 81773	AN 7273
103	4822 209 73393	UPC 1161C
201	4822 209 81799	LC 7815
203,204	4822 209 73396	LA 3600
205	4822 209 73399	TC 9153P
301	4822 209 73397	STK 4151-2
303,304	4822 209 70308	BA 6124
401	4822 209 70405	UPC 7812 H
402	4822 209 71467	UPC 78 M08H
501	4822 209 73518	UPC 1490 HA
502	4822 209 81549	AN 7310
601	4822 209 71871	TA 7784 P
602	4822 209 73398	4066 BP
603	4822 209 72546	CXA 1101
604	4822 209 73404	BA 313
801	4822 209 73403	TC 9302 AF-035
802	4822 209 73401	TC 9172P
803	4822 209 73402	TMP47C200AN-2567
804,805	4822 209 73394	UPC78L05J

TS

101-104	4822 130 60166	2SC 1923-O
	4822 130 41198	2SC 945P
	4822 130 41974	2SC 1842E
401	4822 130 61248	2SB 507E
	4822 130 41651	2SC 2001L
403	4822 130 60678	2SD 882P
605-608	4822 130 41947	2SC 1815Y
	4822 130 41598	2SA 733P

D

101,102	4822 130 31162	1SV 55
103	4822 130 80955	KV 1236ZV
	4822 130 80956	LTL 213
401	5322 130 50452	KBL 02
402	4822 130 33771	B20SL
	4822 130 33769	1N4002L
408	4822 130 31379	RD15EB23
	4822 130 33741	LTL-4214
501	4822 130 80957	PH302
	4822 130 30312	1N60P
	4822 130 30621	1N4148
Display	4822 130 90578	HLC9475-01-2010

L

101	4822 157 52747	FM-ANT
103	4822 158 10828	AM-ANT BAR
102	4822 156 11054	FM-RF
104	4822 157 53605	FM-IF
105/00	4822 156 10928	FM-osc
105/01/25	4822 157 53671	FM-osc
109	4822 156 11058	FM-IF
601,602 } 607,608 }	4822 157 53606	Trap-coil
603,604	4822 157 53603	Choke coil 3.3 mH
605,606	4822 157 53602	Choke coil 2.2 mH
610	4822 157 53601	Choke coil 470 µH
611,612	4822 157 53599	Dolby filter
401,806	4822 152 20617	Choke coil 1 mH
T401/00	4822 146 21356	Power transformer
T401/01/25	4822 148 60198	Power transformer

SFR 101,607 608	4822 111 91497	Fuse resistor 20kΩ
SFR 102	4822 100 11056	Trim potm. 5kΩ
SFR 103	4822 100 11394	Trim potm. 200kΩ
VR 201-210	4822 105 10998	Slide potm. 100kΩ
VR 211	4822 105 10997	Slide potm. 100kΩ
FR 301,302,401	4822 111 91197	Fuse resistor 4,7Ω
FR 303	4822 115 90155	Fuse resistor 100Ω
SFR 601-605 609,610	4822 100 11393	Trim potm. 100kΩ
SFR 611,612	4822 100 10385	Trim potm. 10k

Miscellaneous

CF 101	4822 242 72243	CER. Filter 10,7 MHz
CF 102	4822 242 72242	CER. Filter 10,7 MHz
CF 103,104	4822 242 71524	Low pass filter
CF 105	4822 242 71877	CER. filter 450 kHz
CX 801	4822 242 71875	X-tal 7.2 MHz
CX 802	4822 242 72293	X-tal 4.0 MHz
TC 101-103	4822 125 60134	Trim cap. 10pF
LA 401-405	4822 134 40747	Lamp 12V-60mA
	4822 280 20347	Relay
J 351	4822 264 30197	Headphone jack
J 601	4822 264 30245	Microphone jack
M 60	4822 218 10231	Remote transmitter
	4822 209 70524	SAA-3010P for M60

SK

401	4822 276 12459	Power on/off
402*	4822 263 40052	Voltage selector
601	4822 277 21247	Rec/play
602,603	4822 276 12461	High speed/dolby
604,605	4822 276 12462	Speaker sw./tape sel.
819	4822 276 12294	Mono/stereo
820*	4822 277 21254	Grid selector
	4822 277 21173	Preset/function/up-down

* only for /01/25